

Converting Colors

$Y_{xy}(12.8716, 0.5478, 0.3912)$

Have a look what the booklet for
Yxy(12.8716, 0.5478, 0.3912)
contains.

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Color

Yxy(12.9343, 0.5468, 0.3916)

Conversions

Conversions Part 1

Format	Color
Hex	A54A10
RGB	165, 74, 16
RGB Percent	65%, 29%, 6%
CMY	0.3529, 0.7098, 0.9373
CMYK	0.00, 0.55, 0.90, 0.35
HSL	23°, 82%, 35%
HSV	23°, 90%, 65%
XYZ	18.0605, 12.9343, 2.0346
YIQ	94.5970, 72.8540, 1.2540

Conversions

Conversions Part 2

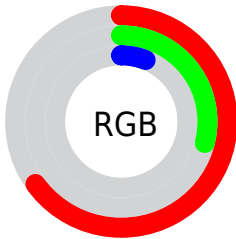
Format	Color
RYB	165, 111, 16
Decimal	10832400
CIELab	42.66, 34.59, 48.07
CIElCh	43, 59.224, 54.263
Yxy	12.9343, 0.5468, 0.3916
Android (android.graphics.Color)	4289022480 (0xFFA54A10)
YUV	94.5970, -38.7483, 61.7434
Hunter-Lab	35.9643, 26.7012, 21.8208

Details

The Yxy color **12.9343, 0.5468, 0.3916** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.3428, 0.1942, 0.2113**, and the grayscale version is **11.4238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2293, 0.4960, 0.3904**, and **3.7174, 0.6044, 0.3583** is the 20% darker color. If you saturate the color by 10%, you get **11.6930, 0.5712, 0.3846**, and if you desaturate by 10%, it is **14.4598, 0.5179, 0.3949**.

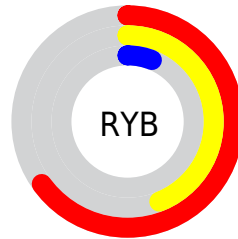
Distribution



Red (65%)

Green (29%)

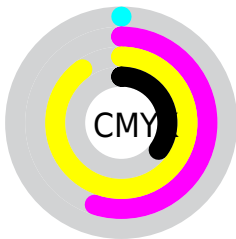
Blue (6%)



Red (65%)

Yellow (44%)

Blue (6%)

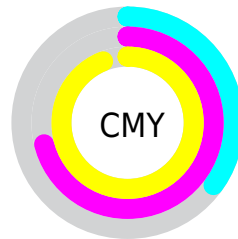


Cyan (0%)

Magenta (55%)

Yellow (90%)

Black (35%)



Cyan (35%)

Magenta (71%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9343, 0.5468, 0.3916 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 12.9343, 0.5468, 0.3916 by changing the saturation by 10% instead.


 12.9343, 0.5468,
0.3916


 12.9343, 0.5468,
0.3916


210.4962, 0.4127,
0.3708


 7.3833, 0.5822,
0.3875


 31.1857, 0.4959,
0.3899


 3.7030, 0.6260,
0.3740

 44.6549, 0.4771,
0.3871

 1.5088, 0.6659,
0.3341

 61.5323, 0.4615,
0.3841

 0.2949, 0.7970,
0.2030

 82.2023, 0.4485,
0.3810


 0.0000, 1.0000,
0.0000


 107.0493, 0.4374,
0.3782


 0.0000, 0.0000,
0.0000


 136.4577, 0.4280,


0.3755


 170.8119, 0.4198,
0.3731


 12.9343, 0.5468,
0.3916


 12.9343, 0.5468,
0.3916


 11.6930, 0.5712,
0.3846

 14.4598, 0.5179,
0.3949

 16.2548, 0.4861,
0.3933

 18.3351, 0.4539,
0.3878

 20.7140, 0.4232,
0.3796

 23.4041, 0.3951,
0.3698

■ 26.4170, 0.3701,
0.3594

■ 29.7637, 0.3482,
0.3489

■ 33.4548, 0.3294,
0.3388

■ 37.5000, 0.3132,
0.3293

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.9343, 0.5349, 0.3149



12.9343, 0.5468, 0.3916



12.9343, 0.4856, 0.4766

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.9343, 0.5468, 0.3916



12.9343, 0.1835, 0.4278



12.9343, 0.2026, 0.1618

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.9343, 0.5468, 0.3916



13.3428, 0.1942, 0.2113

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



12.9343, 0.1428, 0.1613



12.9343, 0.5468, 0.3916



12.9343, 0.1306, 0.2824

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.9343, 0.5468, 0.3916



12.9343, 0.2782, 0.5509



12.9343, 0.1197, 0.1958



12.9343, 0.3061, 0.1911

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.9343, 0.5468, 0.3916



12.9343, 0.4223, 0.5310



12.9343, 0.1197, 0.1958



12.9343, 0.1780, 0.1583

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.9350, 0.5468, 0.3916



48.9306, 0.3636, 0.3564



9.4508, 0.4294, 0.2205



10.2933, 0.3710, 0.3598



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.9350, 0.5468, 0.3916



20.5711, 0.5743, 0.3822



29.0989, 0.4359, 0.4852



7.5171, 0.3276, 0.3378



8.9364, 0.5694, 0.3861



0.2780, 0.5058, 0.4366

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



13.3428, 0.1942, 0.2113



21.0495, 0.1875, 0.1948



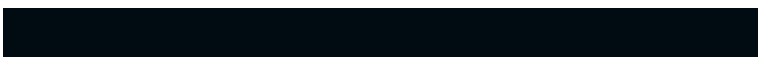
3.9359, 0.1593, 0.0829



7.5460, 0.2987, 0.3200



9.1618, 0.1886, 0.1988



0.2803, 0.2032, 0.2514

Previews

White Background



This preview shows how the Yxy color 12.9343, 0.5468, 0.3916 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 12.9343, 0.5468, 0.3916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.9343, 0.5468, 0.3916

Background



This preview shows how black text looks on a background with the Yxy color 12.9343, 0.5468, 0.3916.



This preview shows how white text looks on a background with the Yxy color 12.9343, 0.5468, 0.3916.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.9343, 0.5468, 0.3916

Protanopia

13.1420, 0.4275, 0.4743

Deuteranopia

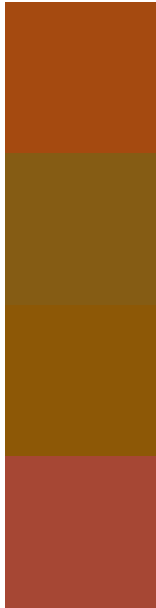
12.9549, 0.4698, 0.4652



Tritanopia

12.9528, 0.4816, 0.3238

Trichromacy



Original Color

12.9343, 0.5468, 0.3916

Protanomaly

12.6913, 0.4746, 0.4420

Deuteranomaly

12.6553, 0.5000, 0.4362

Tritanomaly

12.8614, 0.5136, 0.3552

Monochromacy



Original Color

12.9343, 0.5468, 0.3916

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.2028, 0.4043, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9343, 0.5468, 0.3916 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(165, 74, 16)` looks like.

```
.text, #text, p{  
    color:rgb(165, 74, 16)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(165, 74, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 74, 16) }
```

Border

The CSS property to change the border of an element to Yxy 12.9343, 0.5468, 0.3916 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 74, 16) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(165, 74, 16) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(165, 74, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 74, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 74, 16);  
box-shadow:4px 4px 4px 4px rgb(165, 74,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9343, 0.5468, 0.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 74, 16) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(165, 74,  
16) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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